

Summary

The writers have studied on airborne pollen grains collected at Narashino, Chiba Prefecture, about 25 km east of Tokoy, during 1957 and 1960, and 8 days in September, 1961 in the upper part of the Tokyo Tower, Tokyo. The equipage used was the shelter holding inside a slide wetted with Phöbus-Blackley solution tinted with gentian violet, but, when it was raining, vaseline was used instead. The slide was replaced day to day. The shelters were laid at 2 places, one at the hight of 2 m, while the other at 20 m, except that on the Tokyo Tower which is 135 m high. The obtained grains were of 8 spp. of Gymnospermae, 25 spp. of Monocotyledoneae, 38 spp. of Choripetalae, and 15 spp. of Gamopetalae. Among these grains, *Cryptomeria japonica* and *Ambrosia elatior* were conspicuous, i. e. in the former 3,764 grains were counted on 20 February, 1959, and in the latter 1,813 grains on August 18, 1959 for a space of 10 square centimeter. The identification was carried on comparing with the standard specimens in possession of the senior author. Of the seasonal fluctuation of dispersal of grains the highest peak was observed in February-March, April-May, and August-September respectively. The tree season was recognised in February-May, the ragweed season in August-September, and the grass season in May-November. Pollen grain count was larger at the hight of 20 meter, except ragweed which was larger on the lower shelter, but, when it was windy, it was contrary. As to the effect of humidity it was contrary.

○外来雑草採集地追加 (久内清孝) Kiyotaka HISAUCHI: Additional localities for *Silene dichotoma* and *Cynosurus echinata*

水島正美博士が本誌 35 巻 157 頁で北海道上川郡下川町で *Silene dichotoma* Ehrhart が見出され, これにマンテマモドキと命名され, また私は同誌 36 巻 244 頁に *Cynosurus echinata* L. ヒゲガヤが同じく雨竜郡幌加内町で採集されたことを記しておいたところ, 岡山県御津郡加茂川町公郷で同町河内の難波早苗氏が 1957 年 6 月 24 日に採集され, 大井次三郎博士の鑑定を経ていたと知らせてきたので記録しておく。なお前者には大井氏がホザキマンテマと命名され, その名でヒゲガヤと共に難波氏が「美作の自然」5号 (20 XII, 1959)に記録した由。北海道と岡山県でみつかった以上中間地区にもあるのではないかと思いたくなる。